

$^{51}\text{V}(\text{n},\text{n}') \quad 1968\text{To08}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong		NDS 144, 1 (2017)	1-Mar-2016

E=1-3.8 MeV; measured $\sigma(\theta)$ with tof, compound-nuclear calculation, ^{51}V deduced levels, J.
 For optical-model calculations of measured $\sigma(\text{E}(\text{n}),\text{E}(\text{n}') ; \theta)$, see [1989La09](#) (E(n)=4.5-10 MeV).
 For total $\sigma(\text{E})$ measurements, see [1977Gu15](#) (E=1.8-5.5 MeV) and [1970Sm01](#) (E=0.1-1.5 MeV).
 For total $\sigma(\text{E})$ calculations, see [1983By04](#) and [1983Av08](#).
 For spin-dependent scattering length, see [1987Gl03](#) and [1979Gl12](#).

 ^{51}V Levels

E(level)	J^π [†]	Comments
0	$7/2^-$	
320 20	$5/2$	
930 10	$3/2$	
1608 7	$11/2$	
1806 8	$9/2^-$ [‡]	J^π : other: J=7/2,9/2,11/2 (1968To08).
2415 15	$3/2$	
2544 15	$1/2$	
2685 15		E(level): doublet. J(lower)=3/2 if J(upper)=15/2.
2790?		
3080 20	$5/2,7/2$	

[†] Based on $\sigma(\theta)$ measurements and compound-nuclear calculations, except as noted.

[‡] From Adopted Levels.